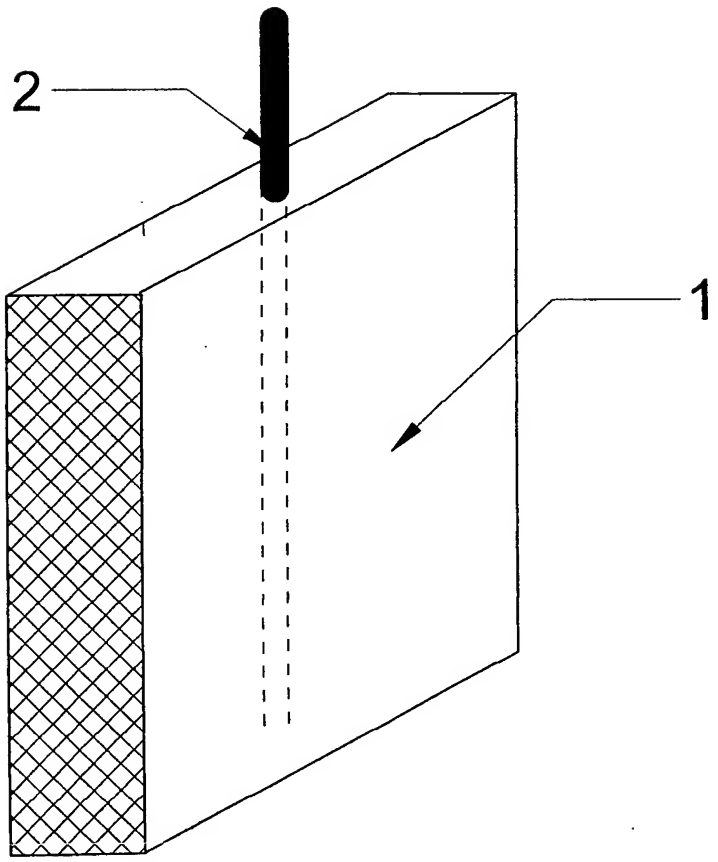

Figure 1

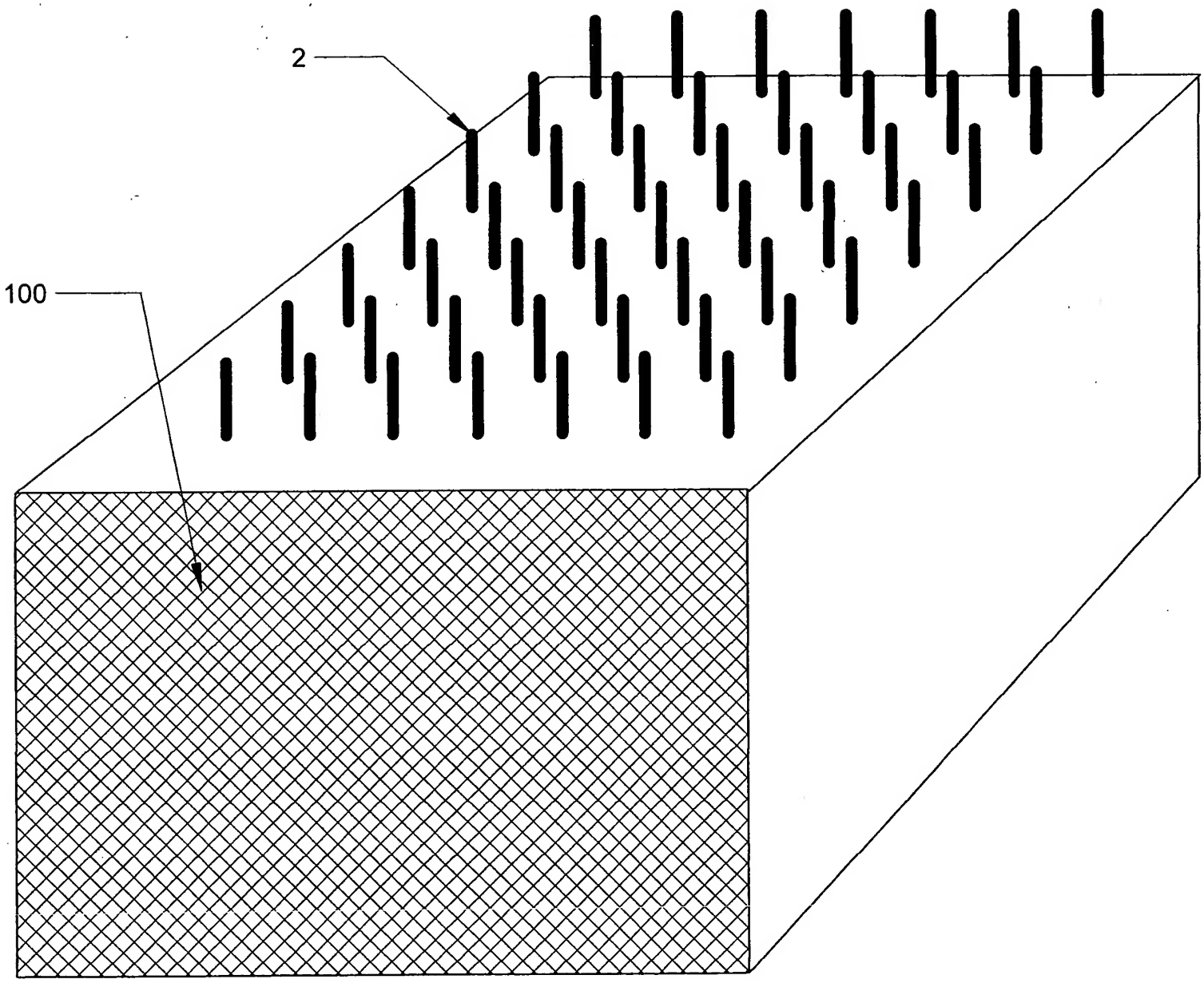

Figure 2

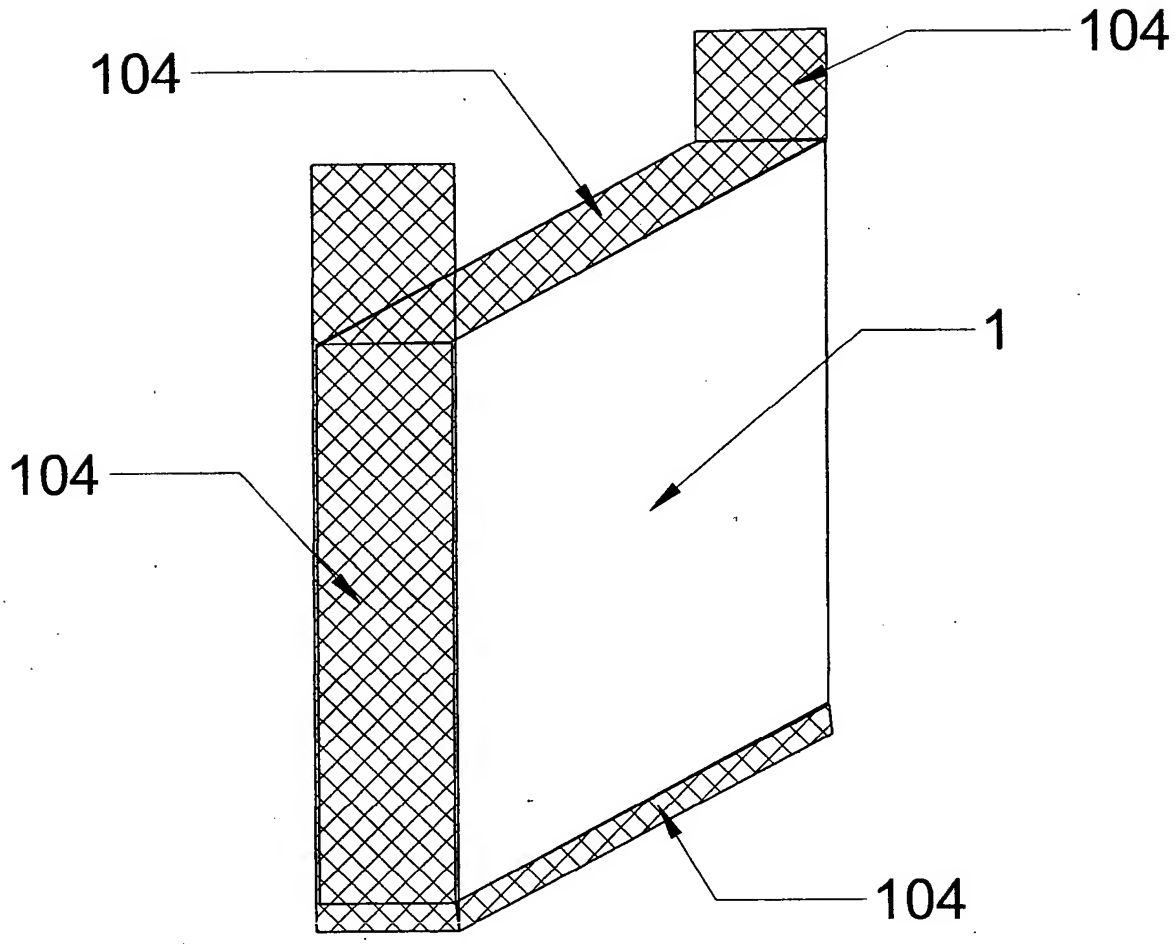

Figure 3

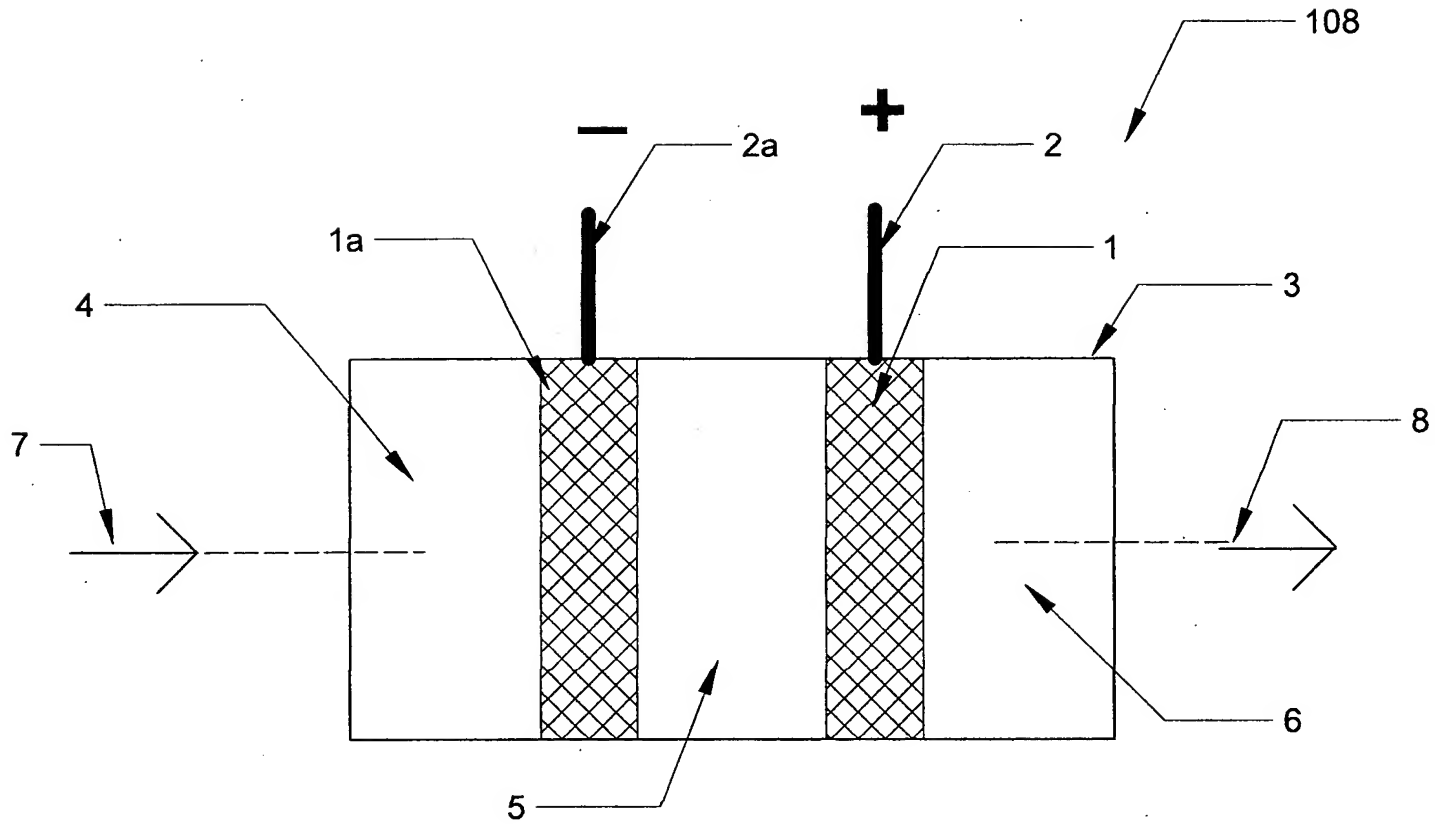

Figure 4

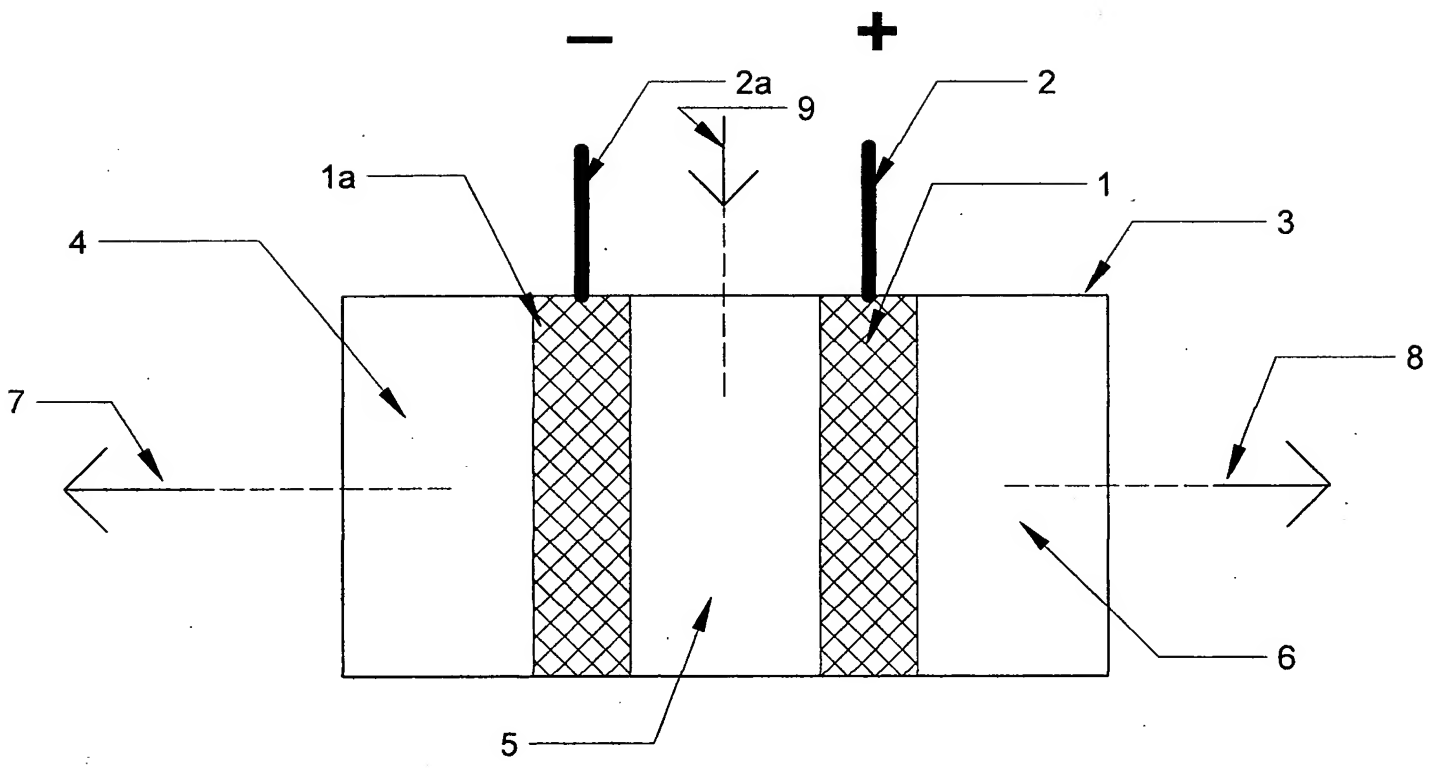

Figure 5

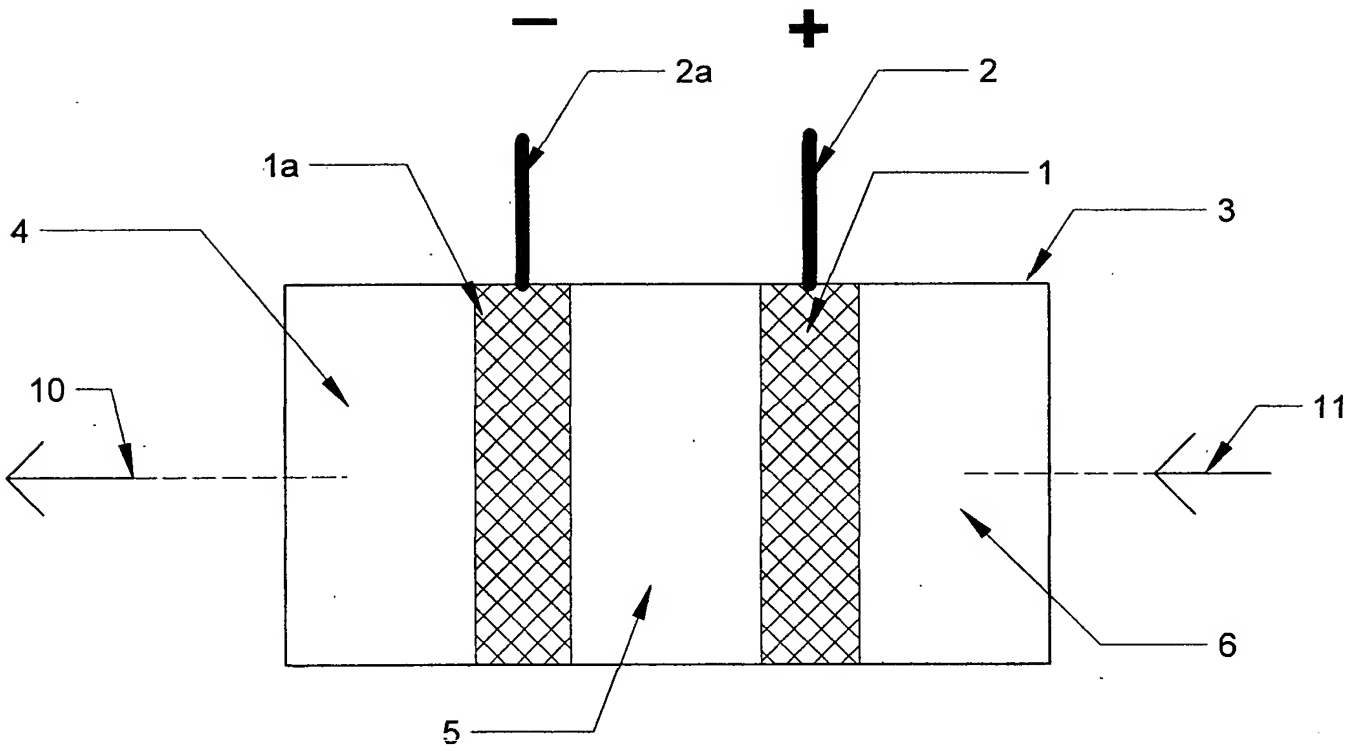

Figure 6

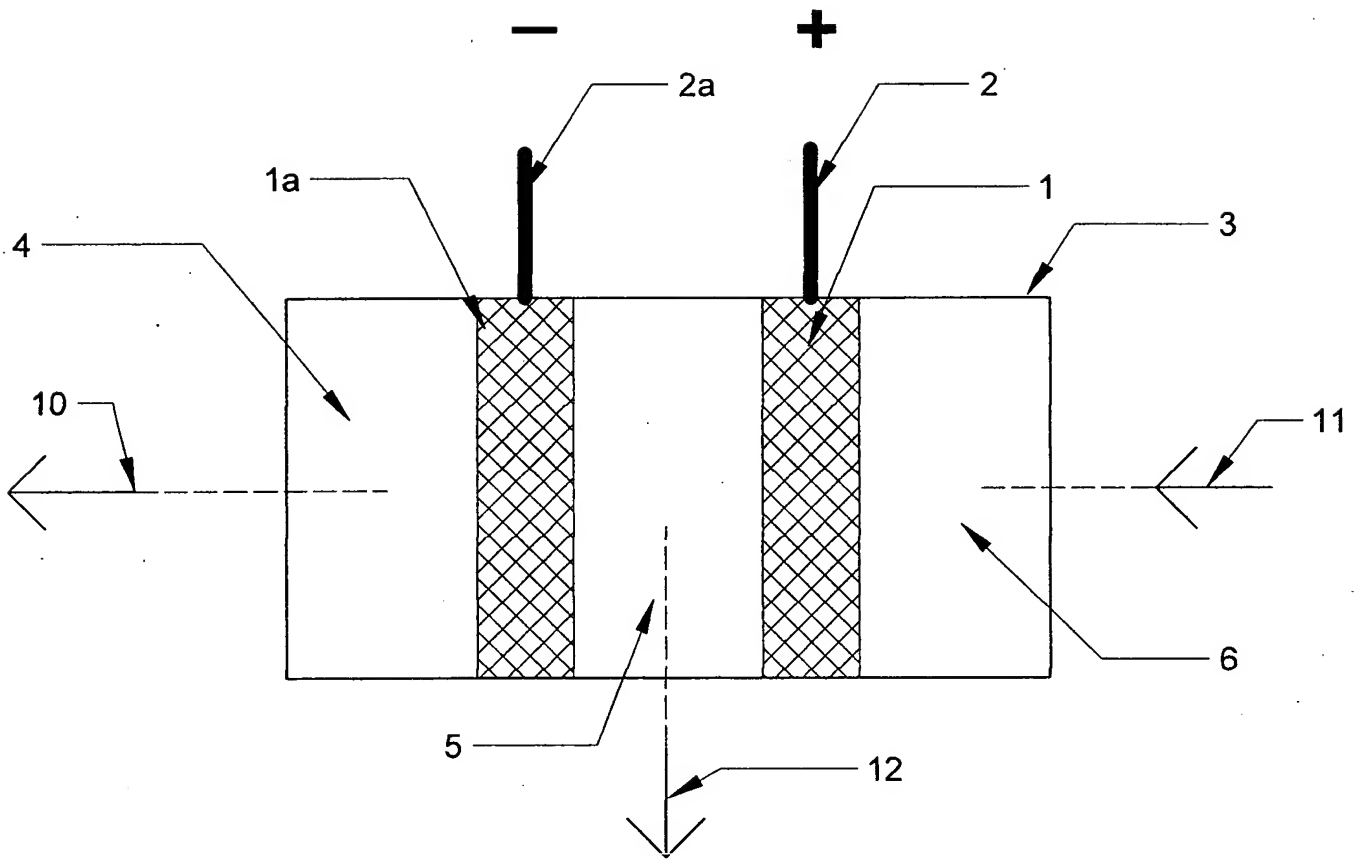

Figure 7

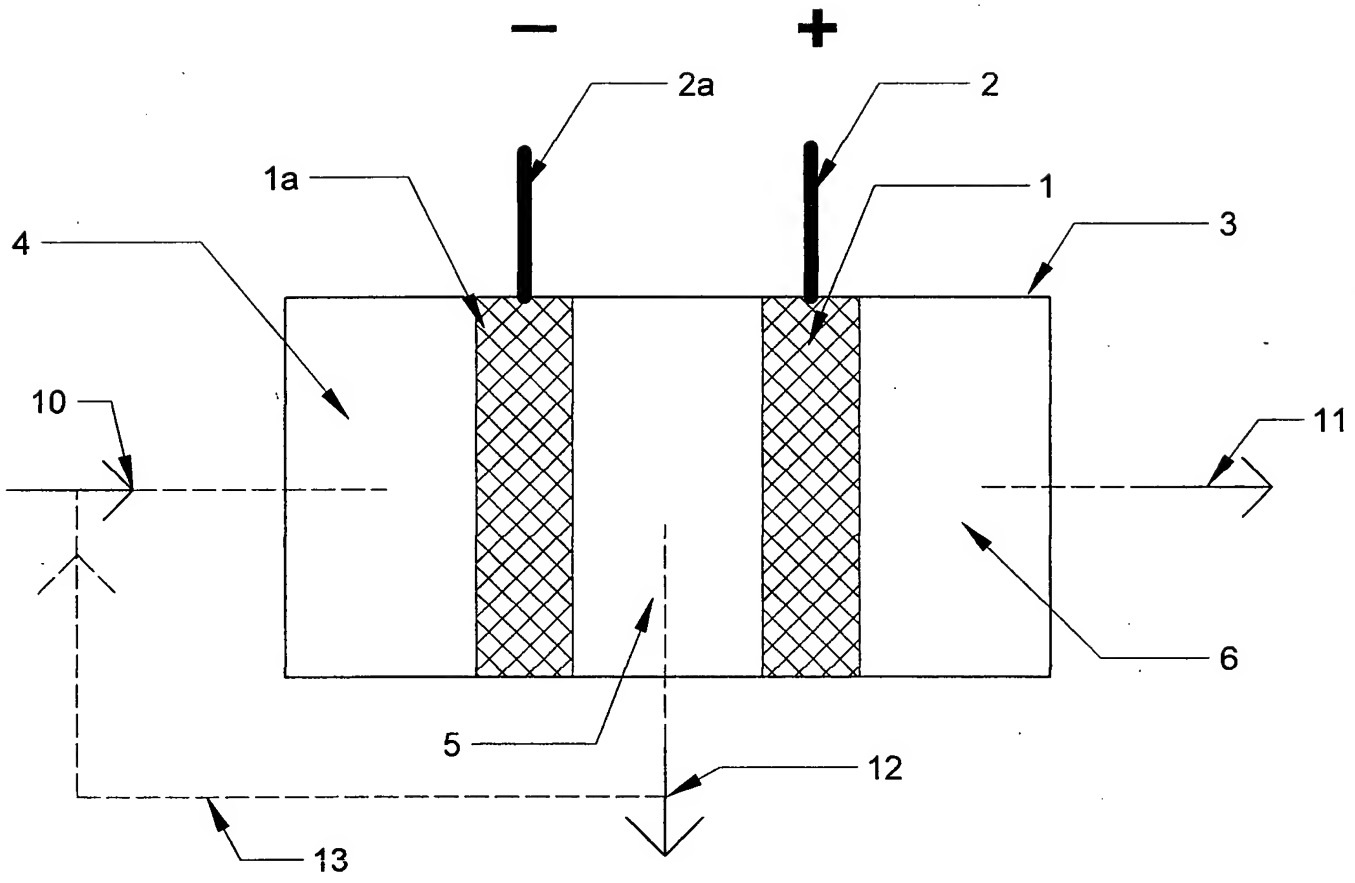

Figure 8

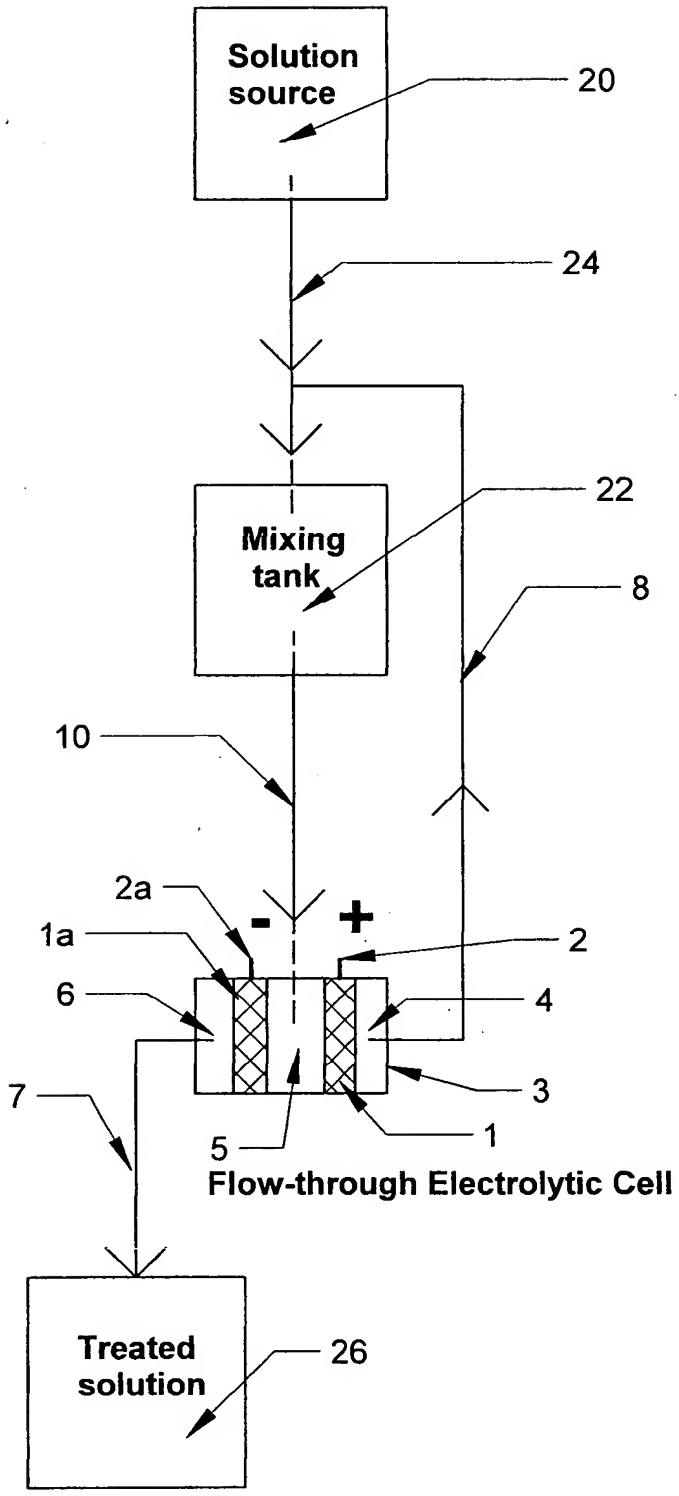
Solution source
20
24
Mixing tank
22
8
10
2a
1a
6
7
-
+
2
4
3
1
5
Flow-through Electrolytic Cell
Treated solution
26

Figure 9

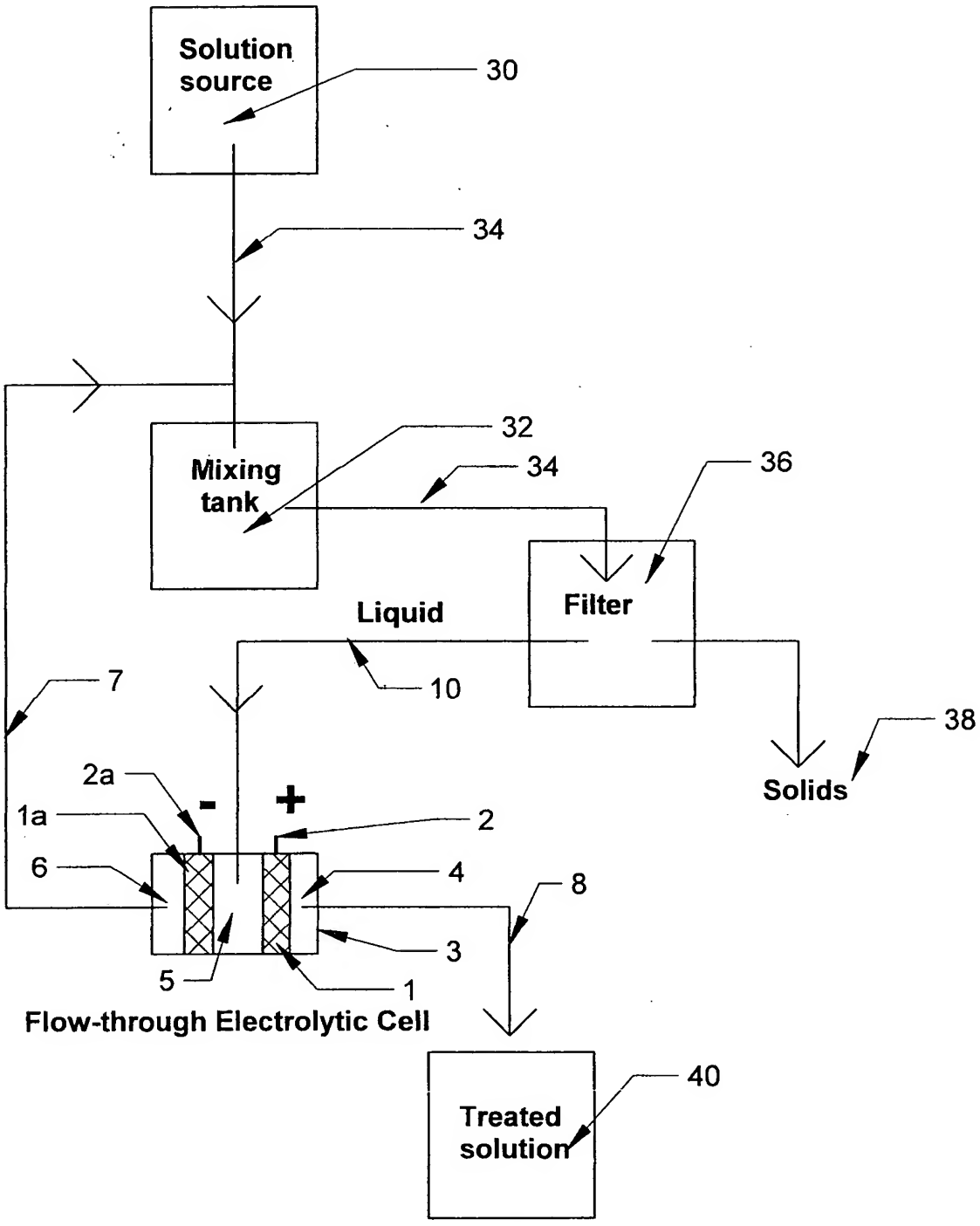
Solution source
30
34
Mixing tank
32
34
36
Filter
Liquid
10
7
38
Solids
2a
1a
-
+
2
6
4
8
3
5
1
Flow-through Electrolytic Cell
Treated solution
40

Figure 10

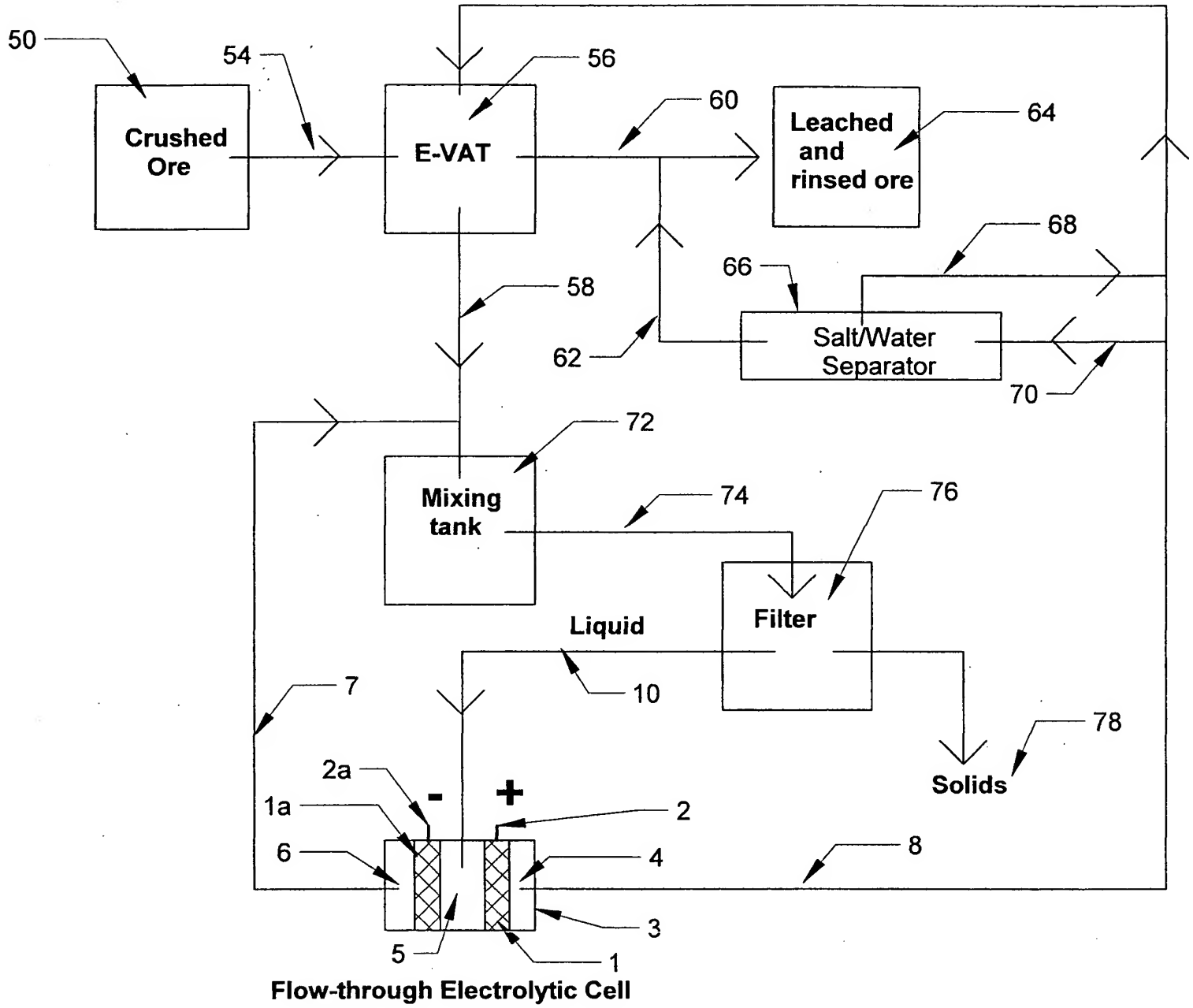
50
54
56
Crushed Ore
E-VAT
60
Leached and rinsed ore
64
68
66
58
62
Salt/Water Separator
70
72
Mixing tank
74
76
Filter
Liquid
10
7
78
Solids
2a
-
+
1a
2
6
4
8
3
5
1
Flow-through Electrolytic Cell

Figure 11

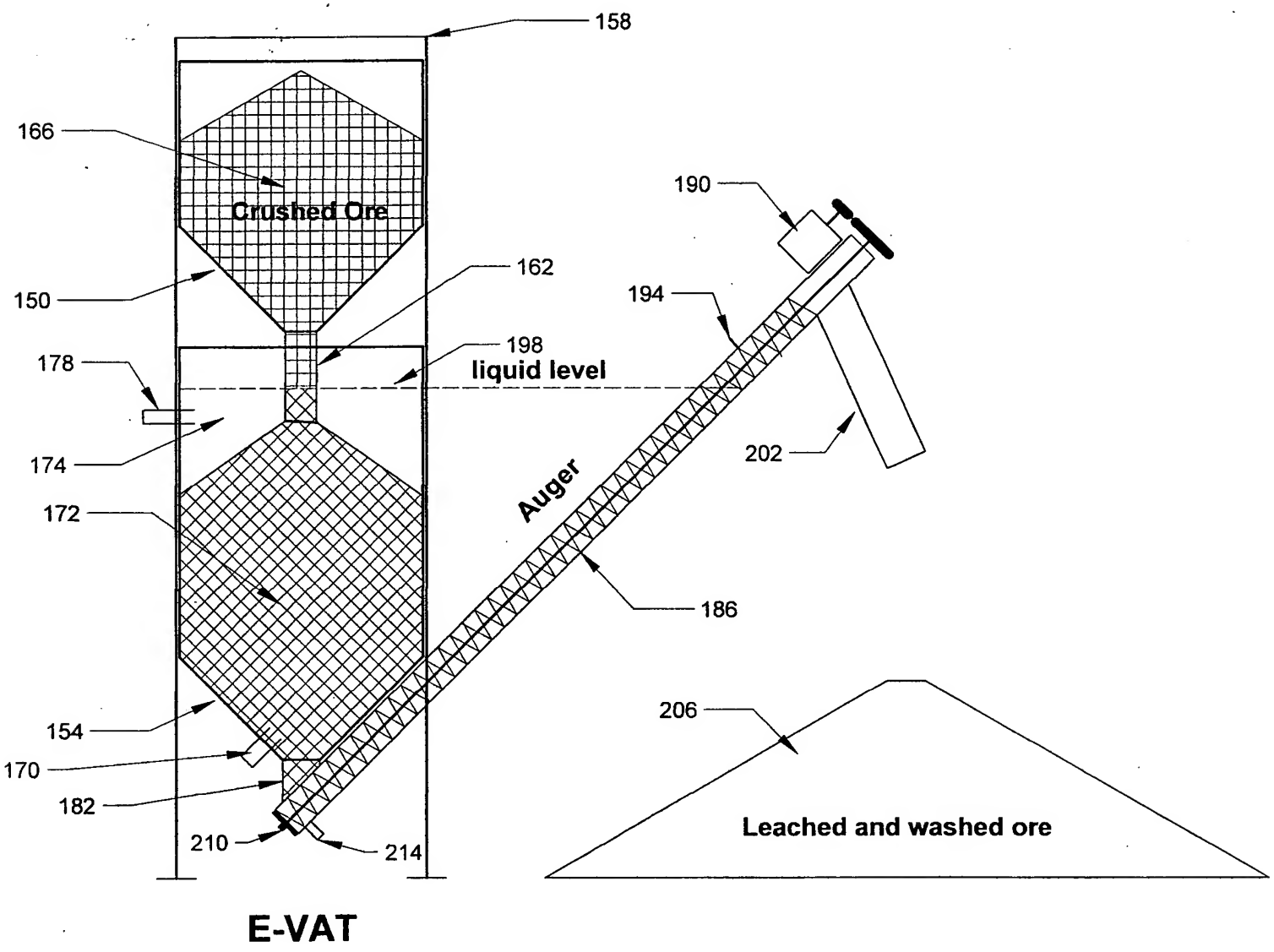
158
166
Crushed Ore
190
162
150
194
198
liquid level
178
174
202
Auger
172
186
206
154
170
182
Leached and washed ore
210
214
E-VAT

Figure 12

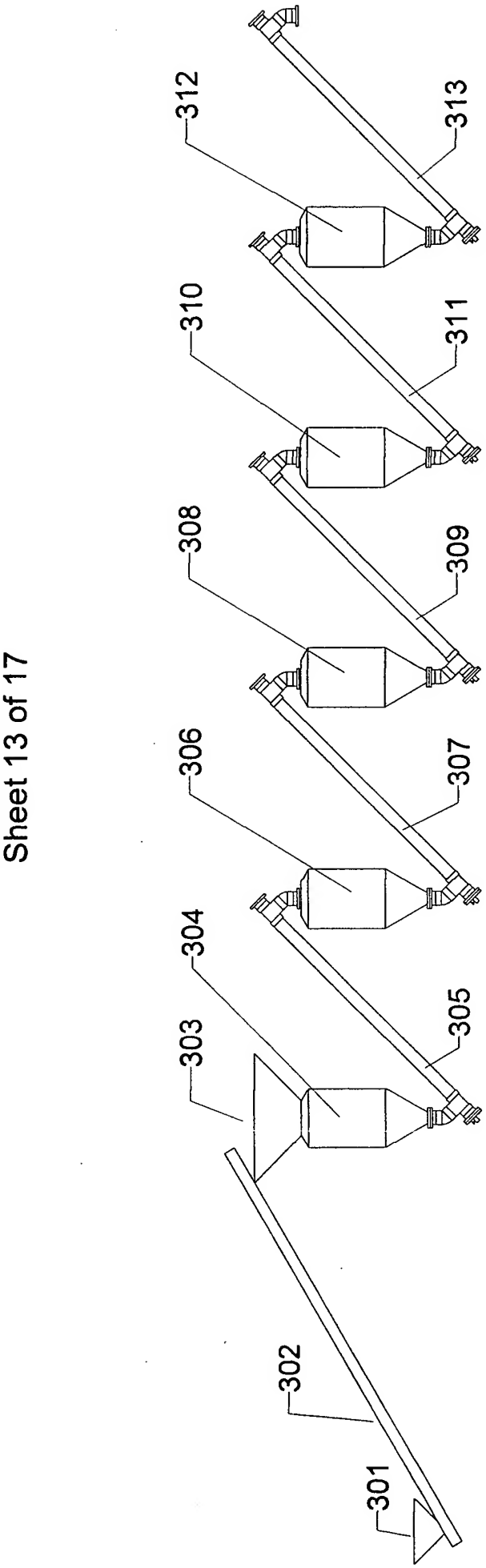

Figure 13

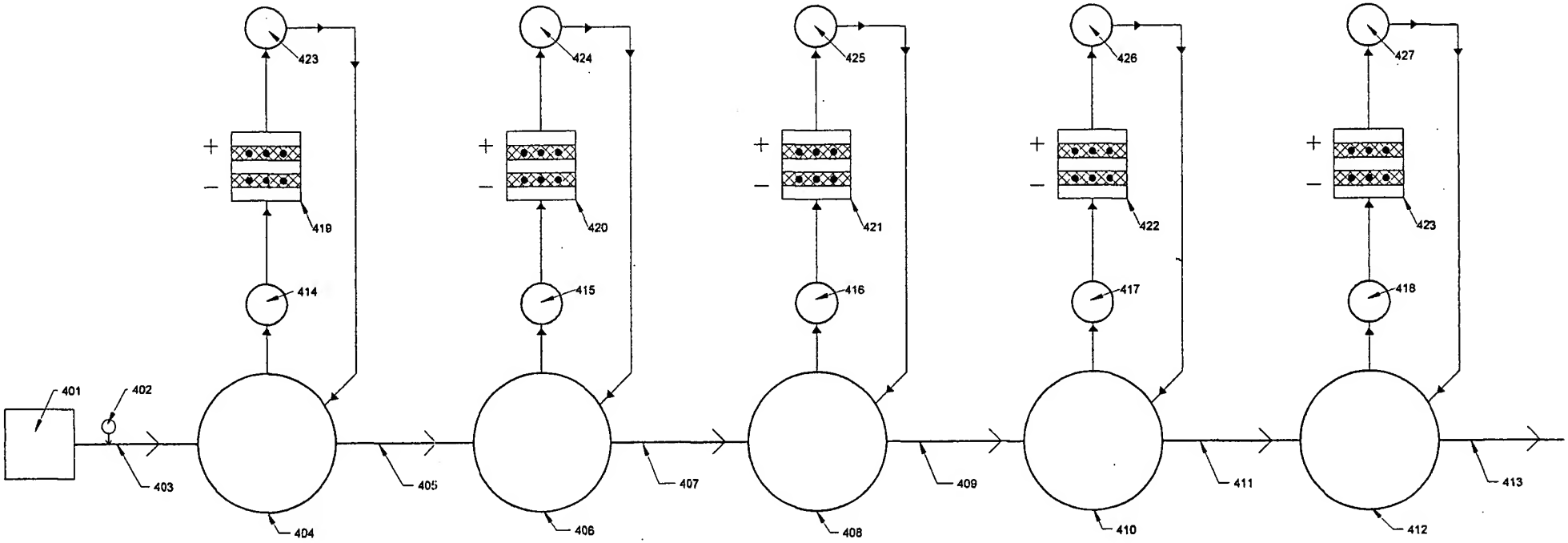
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
+
−

Figure 14

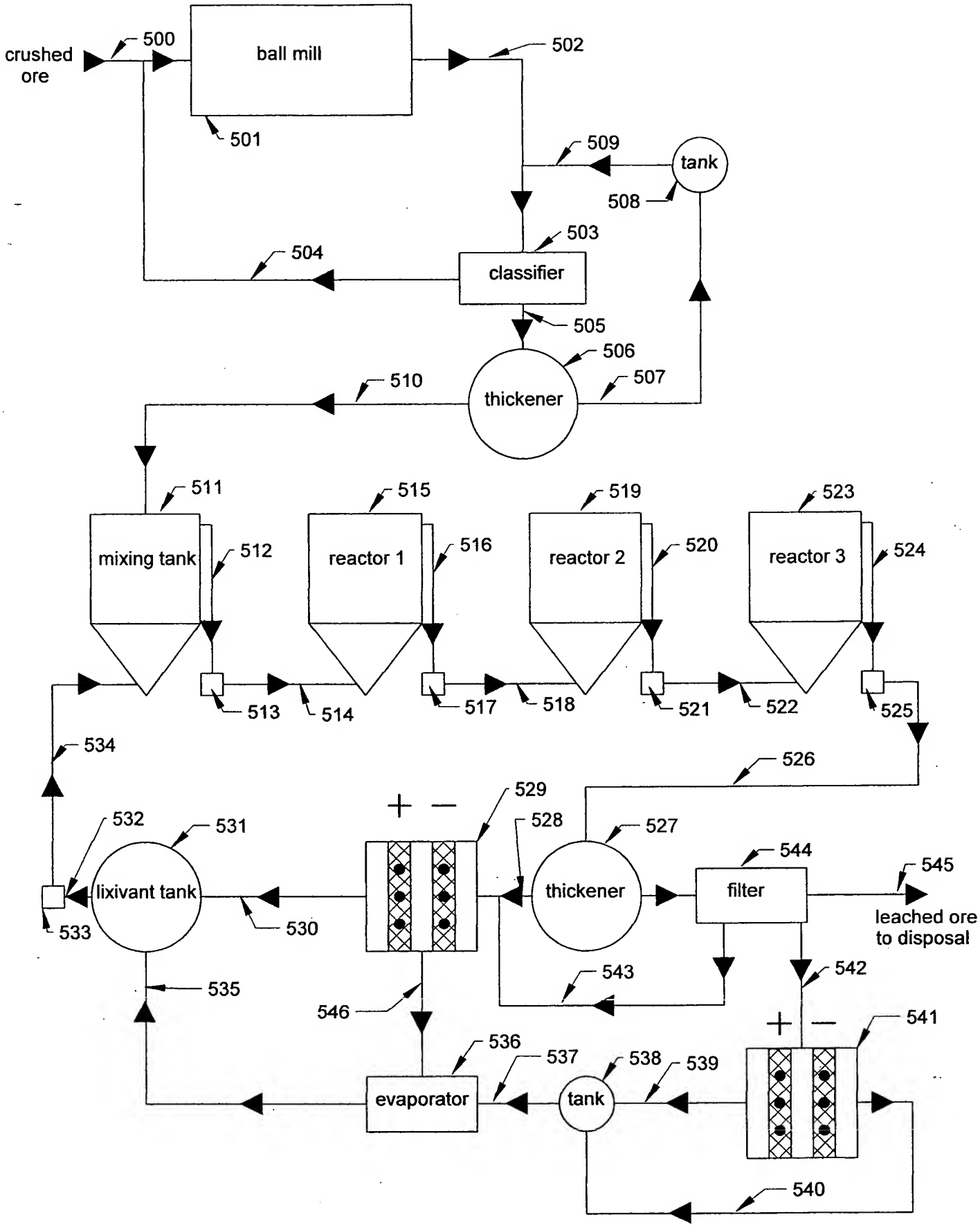
crushed ore
500
ball mill
502
501
509
tank
508
503
504
classifier
505
506
507
510
thickener
511
515
519
523
mixing tank
512
reactor 1
516
reactor 2
520
reactor 3
524
513
514
517
518
521
522
525
534
526
529
532
531
528
527
544
545
lixivant tank
thickener
filter
leached ore to disposal
533
530
543
542
535
546
541
536
537
538
539
evaporator
tank
540

Figure 15

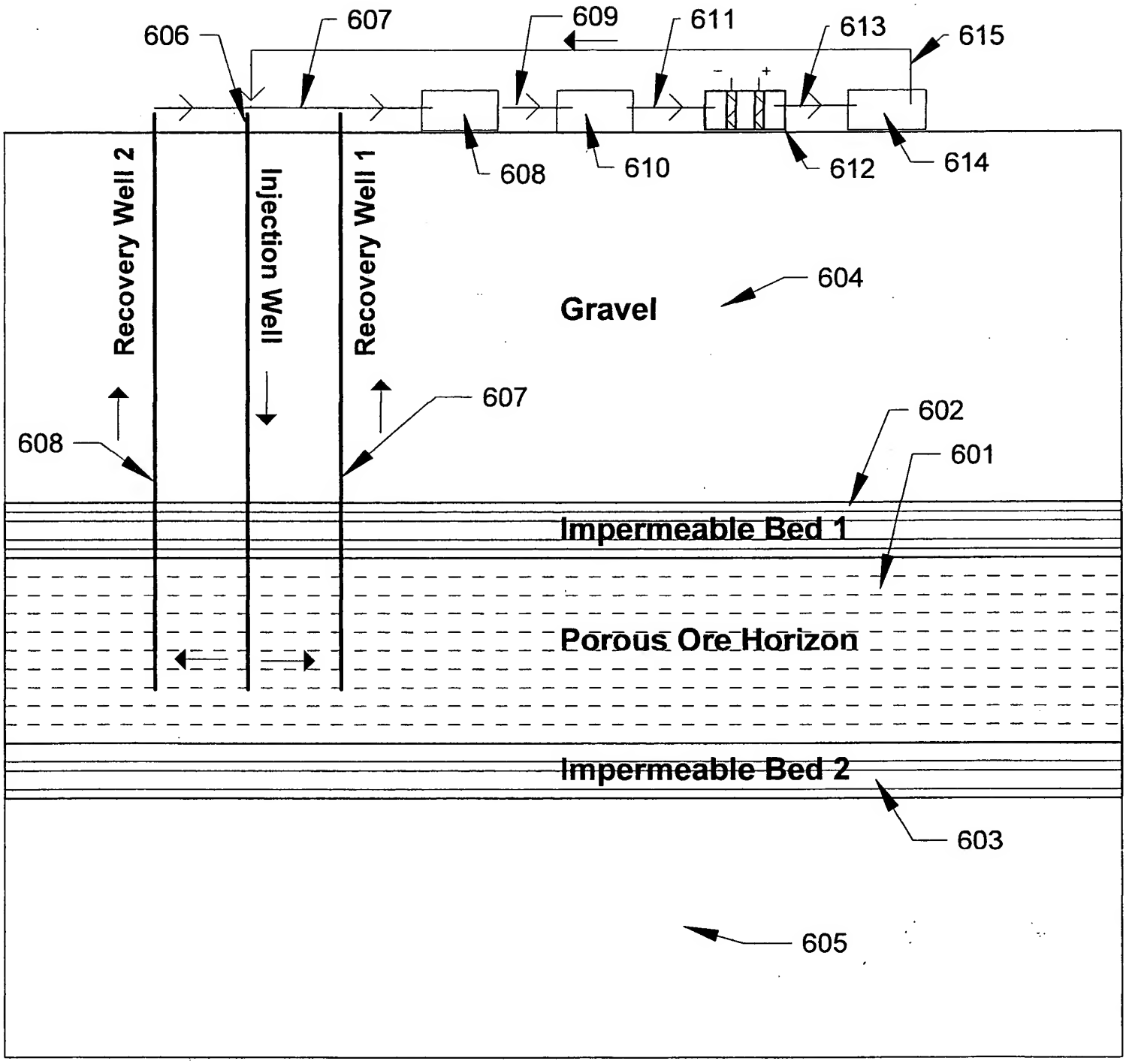
606
607
609
611
613
615
608
610
612
614
Recovery Well 2
Injection Well
Recovery Well 1
Gravel
604
607
608
602
601
Impermeable Bed 1
Porous Ore Horizon
Impermeable Bed 2
603
605

Figure 16

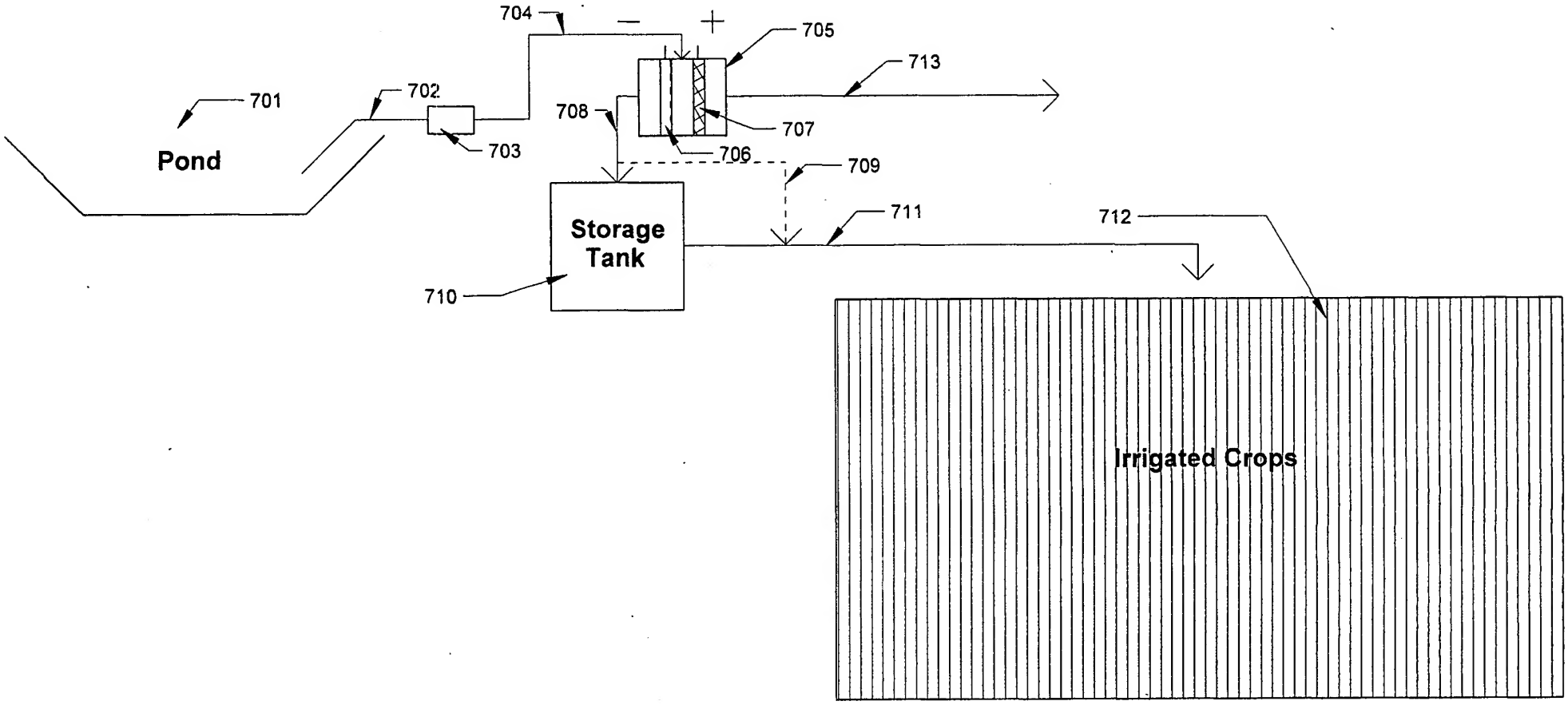
704
705
713
701
702
708
707
703
706
709
Pond
Storage Tank
711
712
710
Irrigated Crops

Figure 17